

**RULE GENERALIZATION FOR WEB APPLICATION ENTRY POINT**  
**MODELING**

**ABSTRACT OF THE DISCLOSURE**

[0098] A security gateway receives messages, such as URL requests, rejected by a message filter based on a set of rules. The security gateway maintains frequencies with which the messages were rejected by the rules. The security gateway finds rejected messages having a high frequency of occurrence. Since messages having a high frequency of occurrences are more likely to represent legitimate requests rather than malicious attacks, the security gateway generates exception rules, which would allow similar messages to pass through the gateway.